

Z Fossil Plants and animals

Ø Recent Plants and animals

Vol. I Σ1 to Σ1000 Vol. II Σ1000 to —

> Supman H. Daugherty San Jose State Gollege San Jose, Galif.



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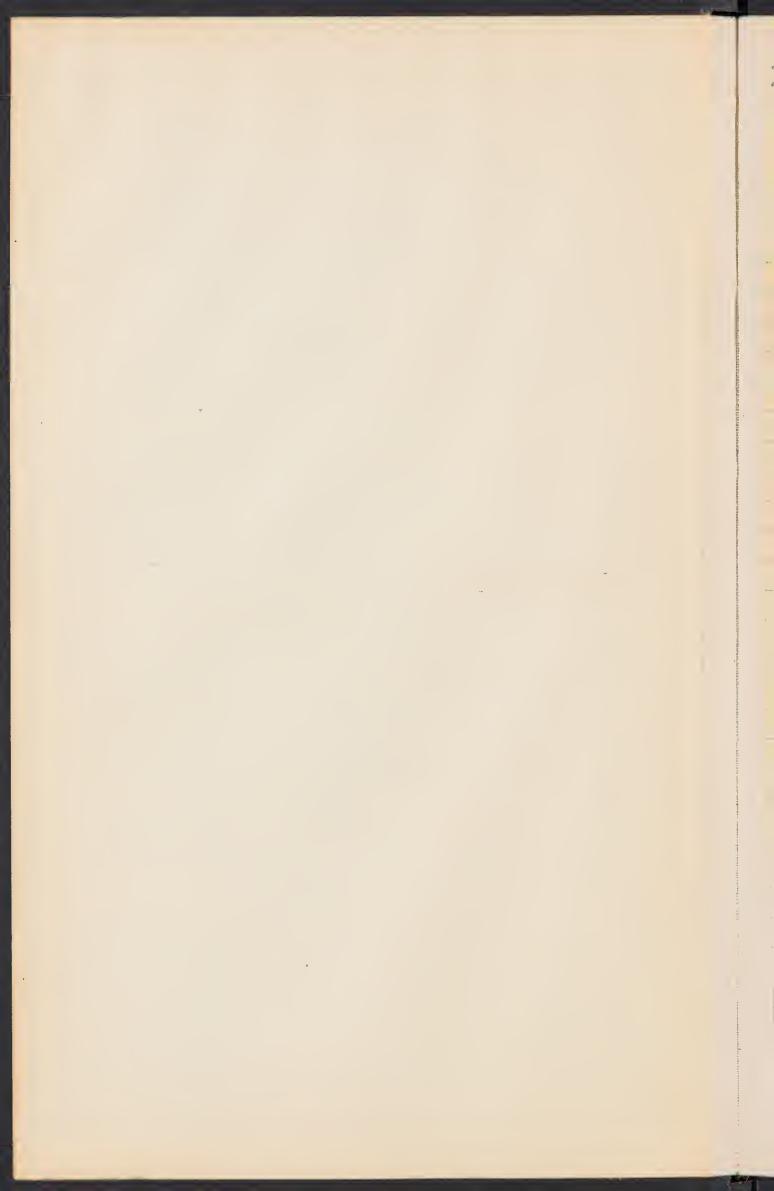
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21000

Collected in Berryessa Creek area from the Oaklang Clanglomerate January 1954 by N. R. Harris This specimen was collected as float from place below original outcrop.

Z1001

Fliorene Florene Florene Beaumont, Riverside County, California. This small apecimen contains burrows of Cerambyred? beetle larval.

21002 Otozamites?

Pinna of a brond of a Eyoadeod from Bernjessa Creek area. Collected from Oakland Conglomerate Jan. 1954 by H. P. Harris. Specimen collected as floot from place below original outcrop. In all probability, this plant grew as Cartisent of Cascadia and was caused down by streams and deposited with Beliminitis in a marine deposit.

\$1003

Wood from Marshal Islands - Einewaitok atal Enjelle Island - the Big Island 4 mile wide. The code name for this roland was Zinnia in 1945. Collected by Walter C. I vester E 1009 Walchia + Callipteris also Sandstone - Permian Same losality as E 1007. (University of Californium P 3633) The Walchia branches also have a cone on side opposite the number.

Zi 1010 Callepteris Abo Sandstone - Permian Same a locality as Zi 1007 (University of Calif. No. P 3632)

E. 1011 Calamites

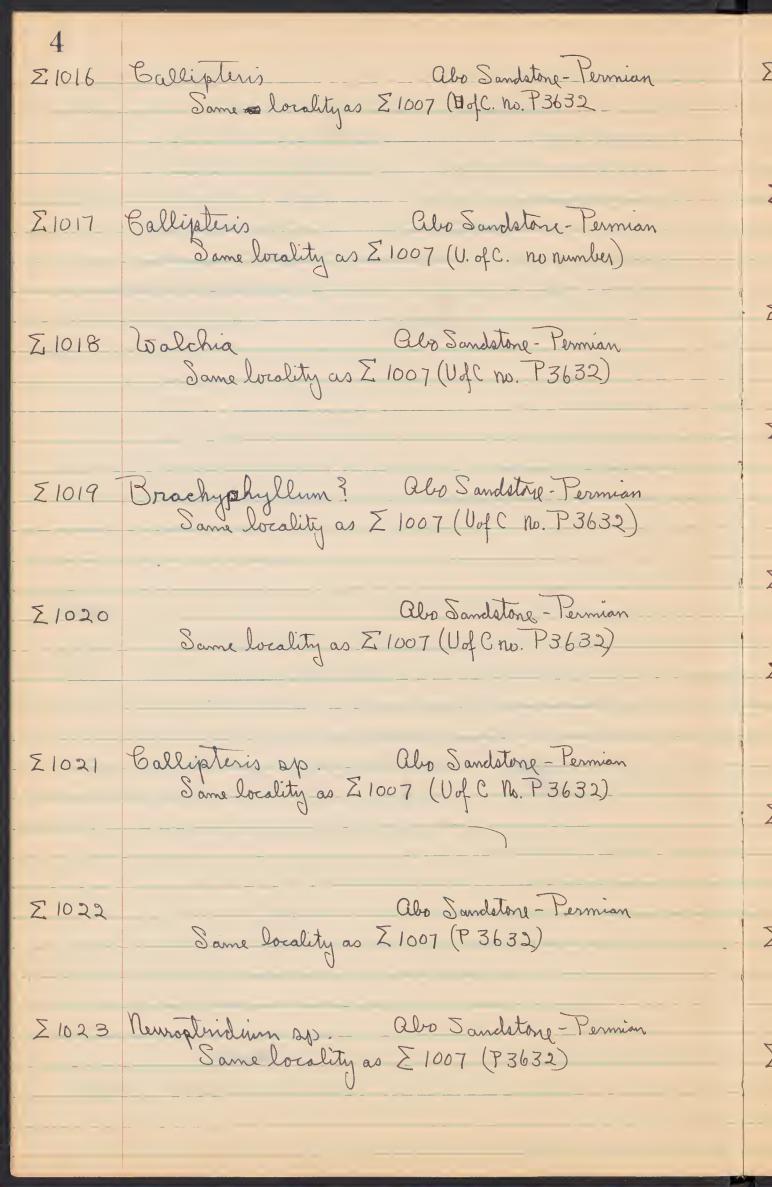
Same locality as \$\ \Sigma 1007 (\lambda of C. ho. P 3636)

21012 Same locality as \$\,\times 1007 (Not numbered by U.C.)

Σ1013 Callipteris sp Gbo Sandstone-Permian Same locality as Σ1007. (liniv. of Calif. No. P3632)

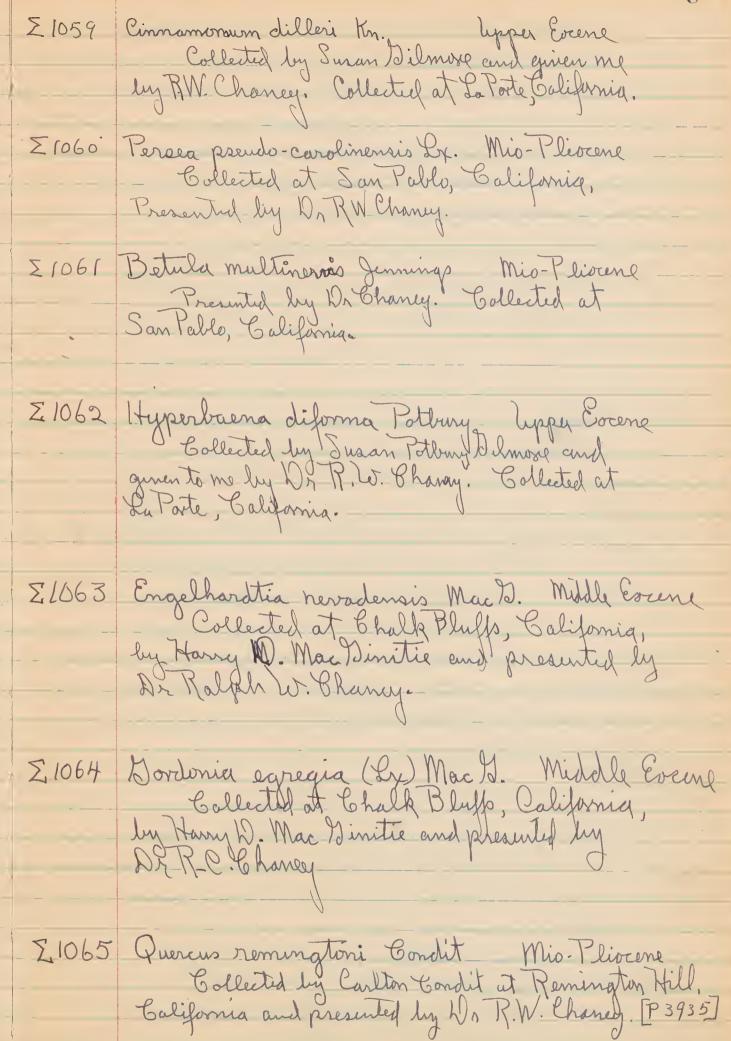
Σ 1014 Neuropteridium Calo Sandstone-Permian. Same locality as Σ 1007, (Liniv. of Calif. No P 3632)

Σ1015 Collipteris ap. Abo Sandstone - Permian Same docality as Σ1007. (liniv. of Colif. No. P 3632)

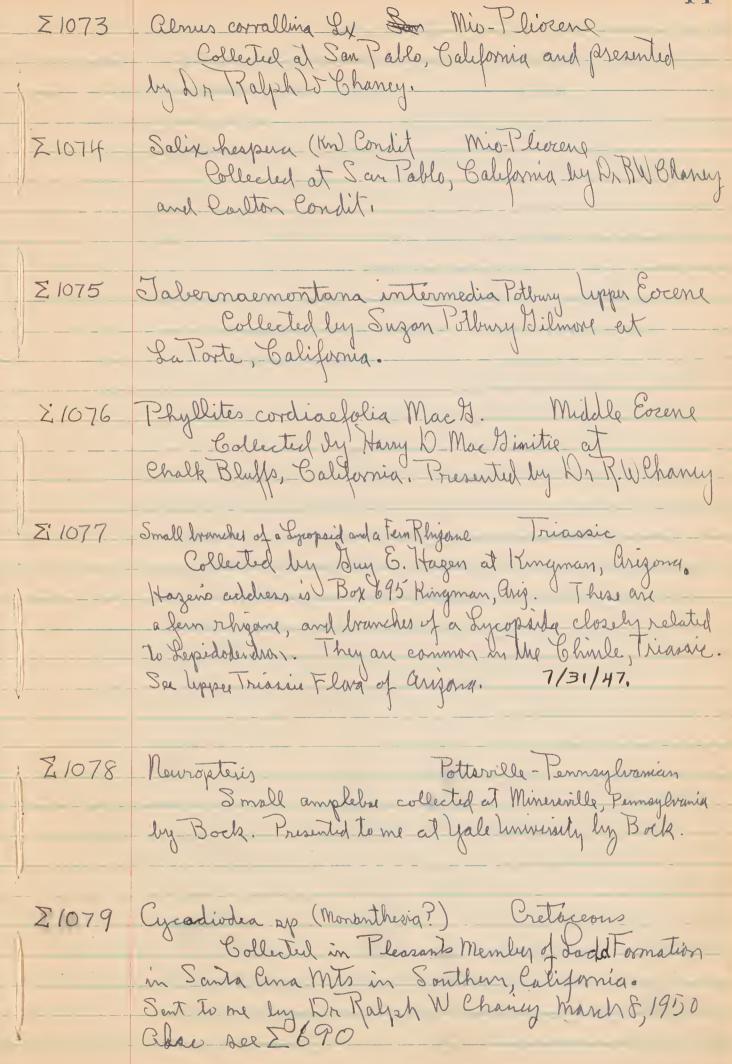


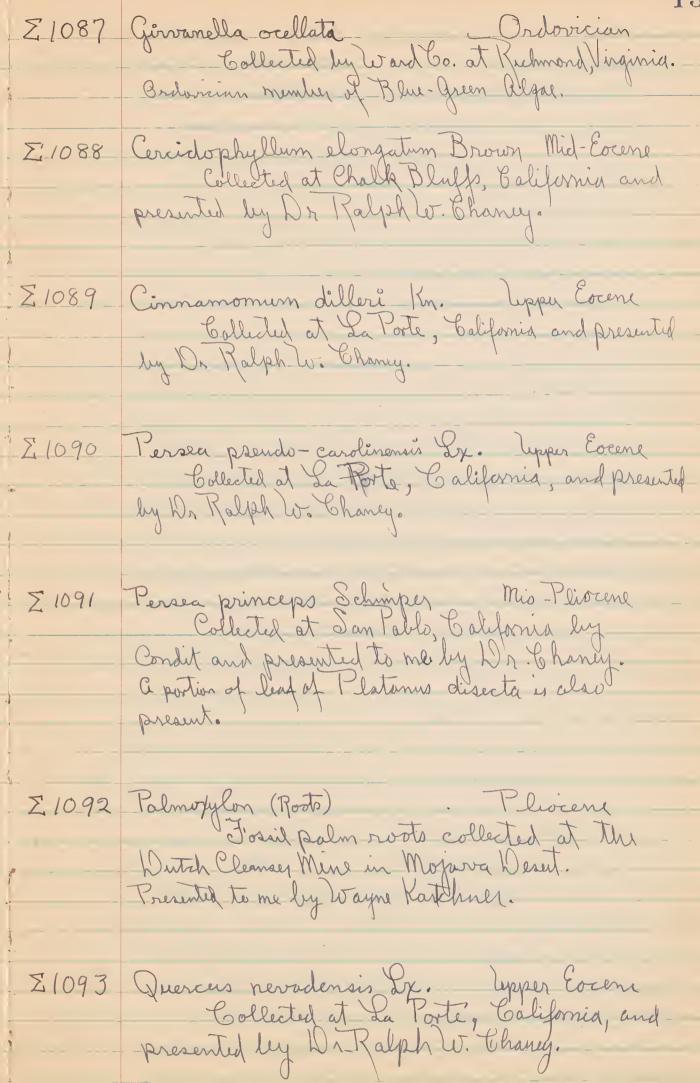
Σ1024	Scrappolithus ap. Also Sandstone-Permian Same locality as \$1007 (Cal No. P3632)
	Neuroptériolium also Sandstone-Permian Same locality as E 1007 (Cal. No. P3632)
Σ1026	Walchia + (Tapites?) Also Sandstong-Parmion Same locality as \$\Sigma 1007 (no. nomber)
Σ1027	Ballipteris sp. Also Sandstone-Permian Same locality as Z 1007 (Univ. of Polif. No. P 3632
Σ1028	Pecopteris Collected at Mazon & reek near Morris, Illinois.
Σ1029	Sigellaria and Lepidodren Pennsylvanian Obtained from Indiana coal. On one side stem of Sigellaria and on the other side Lepidodendran
\$ 1030	Sphenophyllum Pennsylvanian Collected by Ward's Nat Sci. Est. at Ottowa, Kansas The Josid shows a short section of stem with leaves.
Σ 1031	Lepidophyllum majus Pennsylvanian Collected at Magon Greek, Illinois. 3 mall leaf of Sepidodenthon.
∑1032	Newropteris Complatione of a frond. Collected by Ward Co. et Magon Greek, Illinois.

E 1050 Dhyptostrobus o regonemsis Middle Miocene Ballested at Ttinking Water, Oregon, und green to me by Dr. Ralph W. Chaney 21051 Liquidamber californium Ly. Middle Eorene Collected by Dr Rolph W. Chancy at Chalk Bluffs, California. Plotanus coloradensis Kn. Middle Eocene Collected at Chalk Bluffs, California Cymen to me by Dr. Ralph W. Chaney. Σ 1052 E. 1053 Chaetoptelea pseudo-fubra (Lx.) Mac J. Mid Eorene Collected by Harry Mac Jimitie at Chalk Bluffs, California. Doven to me by Dr RW Chaney. 21054 Quereus distincta Lx. Middle Evene Collected by R W. Chany at Chalk Bluffs, Colfonia. Rhus mixta Ex. Middle Eocene Presented to me by Dr Ralph W. Chanley. Edlected at Chalk Bluffs. 21055 Myrica ap Bought from Ward's Natural Science Est. Inc. Collected at Florissiant, Colorado. ∑1056 Collected by Dr Ralph W. Chancy at Stinking Water, Oregon. ∑1057 Castanopsis perplexa (Kn) Brown Mid. Mirrene Callected at Sturking Water, Oregon, and given To me by Dr. R.W. Chaney Z1058



10 Platanus paucidentata Dorf. Mio-Pliocene Collected at Reminaton Hill, California by Erling Dorf and presented by Dr. Ralph W. Graney Z 1066 Z. 1067 Metaregnoia heerii [also almo] Oligocene Bollected at Twickenham, Oregon, by Dr Ralph W. Chaney. Leguminosites falcatum Fet. luppy Eocene Collected by Susan Falbury Dilmore at Lat La Porte, California. Presented by Dr R.W. Chancy 21068 E 1069 Platanus dissecta Lx. Miv-Pliocene Collected by Dr. Chancy at San Pable, Collected Laurophyllum litseaelplia Mac II. Mid. Eocene Collected at Chalk Bluffs and presented by Dr Rolph W. Chany. Canarium Californicum (Dx) Mac B. Middle Eocene Collected at Chalk Bluffs and presented by Dr Ralph W. Chaney. Mahonia simplex (Newb.) arnold Middle Miocone Collected at Stinking Later, Oregon, and presented by Dr Ralphlet Chancy. 2023 Salvy herperia Har Condit Mis Fliocene Collected at Remington Hill, Colifornia - Basantul by Dr. Chaney.





2,1094

Petrified roots or stems collected in Funeral mountains by Quintin aune of the USBureau of Mines. address 1429 appraisers Building, 630 Sansome St., Samtinencisco II,

The location in Funeral Mountains ash Meadows Quad. 26"/5 = SW4 SE4 NW4 Sec. 19

I 1095 Coal Balls Ordovician Collected by Chas. Merrian in Koberts Mts of Nevada. Dee paper Merriam + Daugherty - Protophycean algae in Ordinain of Nevada (1938). The radiolarians etc., have never been described. Locality-Slightly over three miles east of the summit of Roberts Creek Mountain (Roberts Mts Quadrangle) on the east side of Vinini Greek Canyon and about seven-tenths of a mile northwest of canyon mouth. The nodules are most abundant in the wall of an old tunnel driven eastward on the east side of the conyon.

Z1096

Dugup by the Cuture dredge near the Pueblo of Cuture, antioquia, Colombia, South america Cet the Time the deal of the Colombia Cit the time the chedge was digging in the old Stream terraces of the Nachi Valley. This specimens was collected by H. Dilbmeister who believes these stream terrains to be gurassic in age, but he was haprocracions endange root also his age determination correct.

Schilderia adamanica? Tupper Trussis -Collected in the Chine near the Henry Montains in tital. Collected by Fred Cochran and Watass. E 1097 Brown Coal & retacions
This is the farmous Derman Brown Coal which was collected at Chaminty, Dermany. Collector Unknown. Brown Coal 21098 2. 1099 Pohyporites wardie Daugherty Chine-Treaser This stem of araneonopylan arizonicum contins a pecky not that resembles a Polyparus on Incense Cedar.

I named it warding because total Lesty Ward was-first to describe it. He thought it contained resin pockets and did not know it was a heart not. For details are my paper on lipper riasais of angona. This specimen was collected in the 6 hinte near The Henry mountains in Litah. Collected by

Z1100 Lepidodendron sp. Pennsylvanian Potteville (Middle)

This specimen was collected by the Ward Co., In Mingo Country, West Virginia. These specimen shows branches with fine leaf pads and also leaves.

Grancoriopylon? Lipper Tricassic of tetah.
Toral wood found with Ptenchus fronds, and
fronds of Otosamites. Gollected 6 miles south of
Fruita, tetah, above road where it Turns to enter Z 1101 Capital Dogs. Eyead leaves from the Lower Chinle about 30 feet above channel sands (Shinarump) which in turn lies on Topmort Moenkopi. Col. by C.L. Gamp+ John Biddle July 3, 1950

_

Woodworthia Chinle-Triassic Z1107 Donated to me by man who runs Petrified Wood Products Co. one mile east of Kingman, arizona, North of Highway 66. This apecines shows good structure and was collected new Winslow, ariz, by own of about mentioned Company.

Palmopylon (adventitions Roots) Pliagers?

Aller Bud Sections ?

Location: Near Harrard, a linion Pacific R.R. Station

Sect. 22, TIQN, R3E, SBd B. L+M Source from exposures revealed in surface-mining operations in search of bramum carrying orls. age Toston probably Pluseme (?). Sent in by Kenneth B. Darner from San Bernadino, Calif.
Pulmwood found in Calico Mts nearby. This locality new Harvard is some 22 miles northeast of Barstow adjacent to U.S. Highway no. 91, in San Bernadino County. about described in letter of april 8, 1950. [108 B portun of Frond showing runsmerse Sections of Immules. 21109 Collected in a gravel quarry in Feb., 1953 by Seonard Hennigan Lone of the boy paleontologists of Haywood, Colif. The quarry is I mile NW of Monroe, La., on Highway no. 88. Σ1110 Same as \$ 1109.

 Σ_{1111}

Same as 21109.

18		
21112	Same as \$1109	Σ
Σ1113	Palmopylon Collected by Seonard Henningan 20 miles southeast of Monrol, Sa., in a sandy clay with many hollow ironstone concretions Oil wells are in the vicinity.	Σ
ΣΙΙΙΗ	Gollected by Leonard Henningan one mile NW of Monroe, La., on Highway 88. Same locality as \$1109, \$1110, \$1111, and \$112.	>
Σ1115	- Same locality as & 1114.	. =
Σ1116	Same locality as \$1114.	Z
Σ1117	Collected by Leonard Henningan 20 miles SE of Monroe, La., in a Randy Clay, Oil wells are in the vicinity. Same locality as Z 1113.	

Σ1118

Collected at Seesville, Sa. by unknown collector. Sent in by Mrs Gladys Gilmartin 787W 7th St., Upland, Calif. Sent in May 12, 1951.

Z1119

Neoralamites

Branches replaced by iron and should about atructure. Collected by L.H. Daugherty in Poles aandstone on Poles Mera approximately I miles from Coyote, New Mexico. June 1935.

Σ1120

Collected by Mrs S. F. Daniels in a clay cliff at Day Head in Martha's Vineyard.

Z1121

Specimen found in gravel but and is water worn.
Material abundant and comes from bluffs made of aanststone, shale bentonte and coal. Bol. by Henry B. Post-1336Webster St., Palo alto, Balif.

70°

Collected about 8 miles below junction of Colville and anakturuk Rivers.

Colville R. * Anakturuk R.

ZI128 Schilderia adamanica Chinle-Triassic

This speciment was sent in to the
Chinago Natural History Museum, Rozevell Road and
Sake Shore Drive, Chicago 5, Illinois
The specimen was presented by
and sent for edentification by Dr. Theodore Just.

ZI129 Dadoxylon chancyi Chinle-Triassic

There alides are alides of the Type

apecimen. They were sent to the Patrilied

Forest National Monument at Holbrook, arigon.

The other alides of Dadohlan chancin are in

the collection of the university of California
Dept. of Paleontology.

E1130 Araucaroxylon Triassic

Wood collected by Dr. Suemon Muller of Stanford
at the north end of the Sonoma Range near
Winnemucca, Nevada. These petrified systecimens
were found in the marine formation along with
a Carrice invertebrate Jauna. This corresponds to
the Star Peaks group. Fossel woods were also
found in the Juning Johnstion which also carries
a Carrice inhertebrate Jauna.

It is petrilied atem was collected by Chas. Jacobs in the Painted Desert, Petrilied Forest National Monument, Holbrook, Cirizona. It contains leaf pads and is probably a new species for this region. It is fern in a manufacear. Slides made [Van Cleare #14]. Slides made.

E1132

Schilderia adamanica Chinle-Triassic

Portion of petrified stem from near base
of tole showing lluting and phloem included.
bollected in Petrified Forest National Monument
at edge of Painted Wesert. Col. by Van Clewe and Waughtin
in July 1957.

I

21133

Schilderia adamanica Chinle-Triassic Same locality as about showing wood with phoemincluded.

Σ1134

Jemptekya sp. Sower Cretacions? or Chinle? Collected from gravels on Lithodendron (Carrizo) wash just west of the Painted Desert section of the Monument, near the site of the old Stage Station. (Van Claus no. 11 A + 11 B) Petidied Forest National Monument, Hollwood, Brigona.

21135

Collected at the west lost of Blue Mesa,
Petrified Forest National Monument, by Van Cleave + Daughety
(Van Cleane no. 16)

21136

Chinle????

Collected by Van Cleave from river gravels

north of Puerco River and east of Menument Road,

Petrified Forest National Monument. July 1957

Z1137

Palmopylon ap. Cretaceous?
Tossil palm wood collected by
Philip F. Van Cleane in "river gravel" on top
of Blue Mesa near the pouth "break off".
Sent in for identification on Nov 12, 1957.

Σ1138

Ameura (major?) Pennsylvanian-or Permian Collected on a pebble from river gravels on top of Blue Mesa This tribbite was collected by Van Cleave at same locality as 21137

Σ1139

Woodworthia Chinle-Truassic Collected by LHD aughty in "wood yard" of Chas. Jacobs on Highway lob near painted Desert and was originally collected by Jacobs in Painted Desert. Phyleotoxy appears to be \$\frac{8}{21}\$ (Van Cleane no. 9]

21140

From "river gravels" north of Puerco River and east of Monument Road. Petrified Forest National Monument, Holbrook, Perizona. Be hard wood that could not be older than upper Cretaceous.

21141

Collected by Van Clear from gravels on Lithodendron (Carrizo) Wash just west of the Painted Desert Section of the Petrified Forest National Monument. a hardwood not older than Cretaceous. E. 1146 Woodworthia Chinle-Triassic Collected by Van Cleans and Waugherty at Chas. Jacobs "wood collection" on Highway 66 near Painted Desert Visinity by Chas. Jacobs.

E 1147 Schilderea? Chas. Facols "wood yard" on Highway 66 by Danghuty and Van Cleave. Bollected in Painted Desert by Chas. Jacobs. This specimen appears to have pith preserved.

E1148 Woodworthia Chimle-Triassic Collected by Van Cleane from highway level North East of the summit of the Flat-Tops Petrified Firest National Monument, Holbrook, anyong. (Van Cleane No. 17)

E 1149 Palmopplon Coretaceous or Tertiary Collected by Van Cleave in "river gravels" north of the Puered Piver and east of the monument road. Petrified Forest National Monument, Hollrook, Grizona.

Zi 1150 Populus? Tertiary
Tertiary
Tertiary
Tertiary
Puerco
River and east of the Monument road.
Collected by Philip F. Van Clear. Petrified Forest
National Monument. Hollrooks, Cirigana.

- 21157 Populus? Testiany Collected at Millville Plains about 12 miles east of Redding, California. Same locality as 21156
- E 1158 Metarequoia Miocene Collected by Robert Hamby at Calistoya, California
- Ilis aprecione collected by members of Museum of Northern arizone on Woodruffe Butte is a apreciment whow much decay before peterfaction occurred. [62.2701]
- Z. 1160 Carancariopylon arigonicum Chinle-Triassic This aspecimen was collected at Cameron and represents a wood infected by a fungus (heart not) before petrilaction. Collected by members of the staff of the Museum of Northern arigona. [G2.6583]
- E 1161 Populus so. Mancor Shale-Cretaceons a specimen collected by Museum of Northern Crizona at Black Mesa [(G2.6945) Museum number].
- 21162 Populus Sp. Varde Lake Bods? Cretaceous? Collected on Lower Beaver Creek by staff of Meuseum of Northuh arizona. [Museum no. = 62.1541

Z 1166

anaucurropylos argonieum (Burlo Smelleten) Chinle - Triassie in 3 abruary 1958. [see letter of March 21, 1958] The gasper Forest is in southern part of Petrified I' overt National Monument; Prizona. The apecinim as a. small piece that appears to be but wood containing buds. Specimen returned to Vetrified Forest National Yark. Contained small stem with phloem - a sucker surrounded by buch

E 1167

Osmundites Sp. Chinle Triassic Collected by Yan Cleans and Wangfurty near Teper Buttes aug 10, 1958. a small thisand atem That appears to be Osmundites walkeri. appears to be tip of stem. Laoned to Charles Miller of humersily of Michigan for study I

Z 1168

Osmundites Chinle Triassic Collected from vicinity of the Teepees North West of Blue Mesa by Van Cleave + Daugherly Slide Made.

Σ 1169

Populus sp. Hande Lake Beds Collected by Col. Bracky on colorado River on lower Braves Creek. above Wavis Wan

E 1170 Palissya Braunii Truassic of Virginia Collected by Bock at Paccoon Lake Mine in repper Triassic.

21177 Schilderia adomenica Chinle-Tricasie Polished specimen of small stim collected by Philip t. Van Cleans and given to EH Daughtry to be presented to Dr amold at the university of Michigan Siction of stem shows forking and has two centures. Schilderia adamanica 6 houle Triassis

a polished apecinen of same stam as 2 1177.

Donated to L. H. Daugherty by Philip F. Van Cleare Cugust 1959.

Collected by Van Cleare in Tetrified Forest National Monument E 1178 21179 Cycadeoidea sp. Chinle- Massie a decorticated eyead atem with a large pith. Collected by Philip Van Cleane. a Union section was made railed . Themwall lamited town & kiljute I will role was approximately 5. X 3 and took 20 has to grind, a polished hand speamen. Cycadeoidea ap. M. Chinle-Triassis Z 1180 This specimen was collected on august 18, 1959 in Petrified Forest National Monument. It appears to be a fragment of outer part of otim and may have a flower along with hat bases. Collected South East ande of Blue-Mesa. alamitis Chinle-Triasaic Collected at St Johns, ariginal on a amull Z1/81 Neocalamitis full muth and east of the graveryand east of torm. The till is red in color and in the mouth of a valley when a ruins of a house can be seen from the grave yard. The hill contains many puth costs upright and in place with the rhigenes summy 8 to 10 feet from the upright pith casts. Nevecelanites Chink-Trassic 21182 Collected august 1959 at some locality as E 1181. Pithout of large alon.

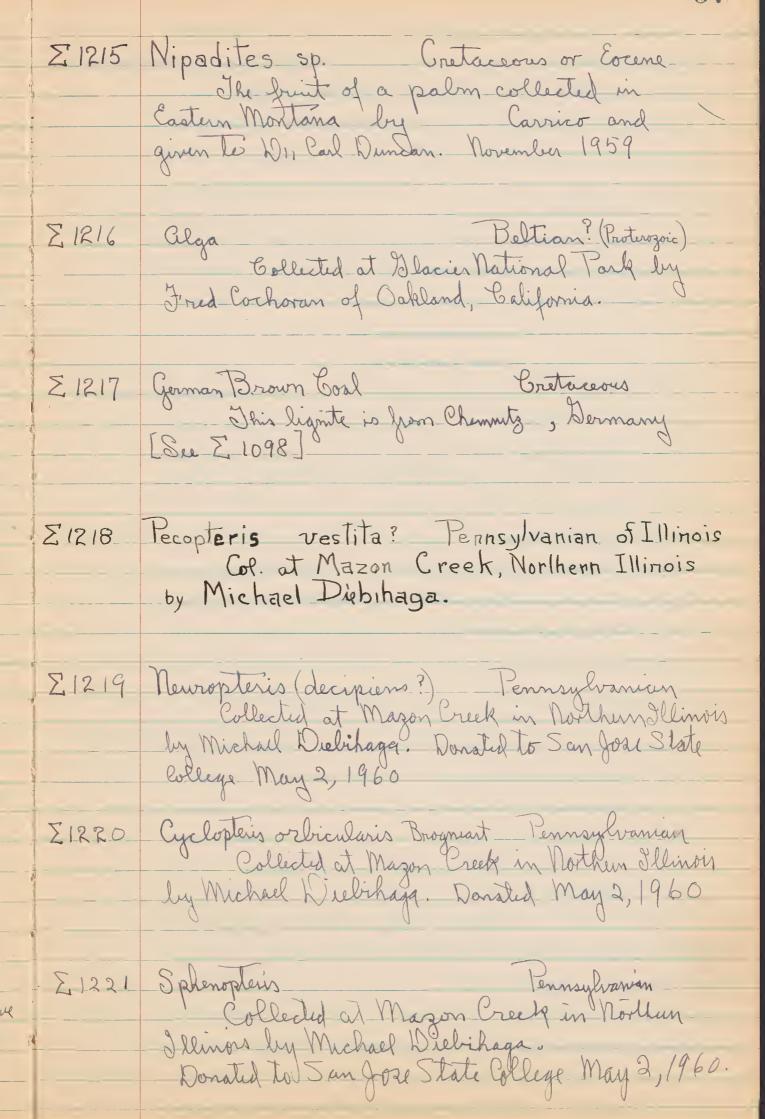
32		
Z1183	Nevealanitis Pith cast of rhigons. Same locality as E1181.	Σ
∑ 118H	Neocalamileo Chinle. Triussic Pith cast of arnall atum Locality same as Z, 1181.	Σ
Σ1185	Nevealamites Chinle Triaisis Pith cost of small stem. Focality same as \$\Si181.	Σ
Σ 1186	roots. Collected in Patrified Forest National Manment Specimon	Σ
Σ1187	Rest of annearish lente. Chile-Triosie Collected in Petrified Monument any 17, 1959 Slide made. The atem shows excellent pith, and primary Lylem	Σ
Z 1188	Charle Trassic Charles Trassic Charles Trassic Thomas Stem 2 1187	Σ
Σ 1189	Collected in Patrified Forest National Monument Europest 1959.	Z
<u>51190</u>	Schilderia Chinle Triassic Collected in neck about I mile south of 66 highway in Petrified Forest.	2

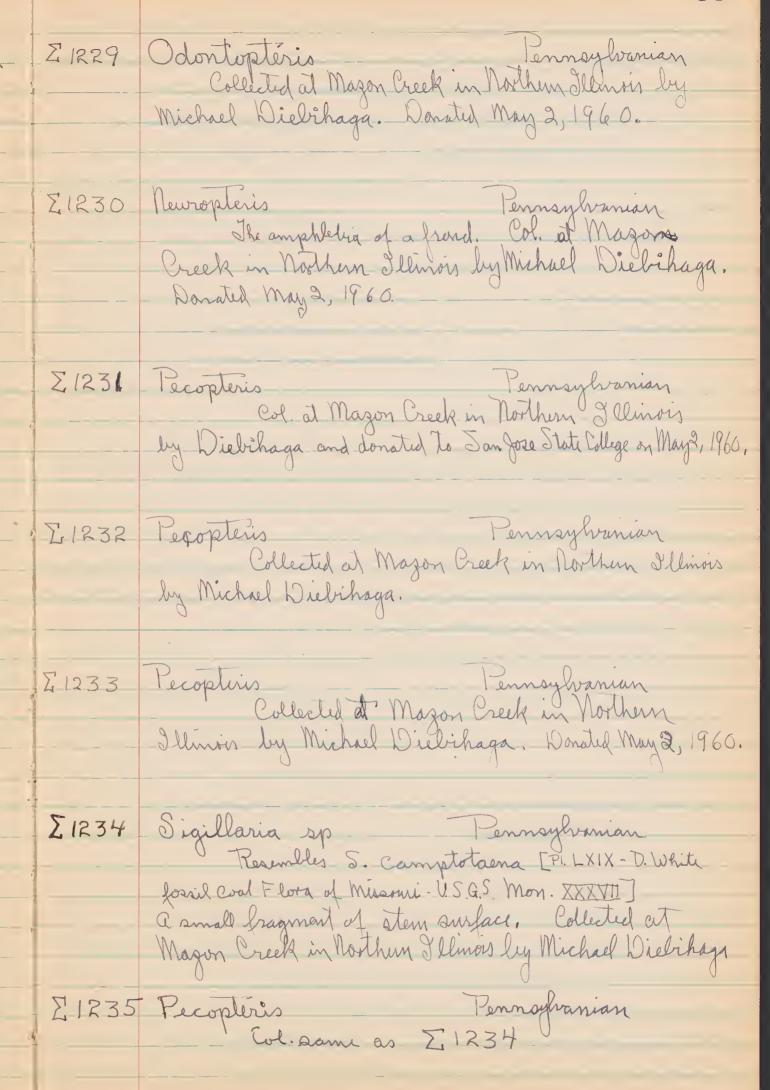
Collected in Petrified Forest at Hollrook Carging lug. 1959 Σ 1191 Root? Chinle Triassic Chinle Triassic Collected in august 1957. E 1192 Small Stem of anacariopylon Small Stem of anounce autopylon Chinle-Trissic Phloem. Pith and prumary tylem phesing! Slides made E 1193 Small Branch of Schilding Chine Triassic Col ang. 1959 - Patrified Forest Σ 1194 Twoodworthia? Chimle Triassic Collected in edge of Painted Desert about I mile south of 66 Highway in Petrified Fivest National Monument. Back of Olsins. Z 1195 Woodworthia Chinle-Triasico Collected in Petrified Forest-Aug. 1959. Piece of istern showing small branches. Z 1196 a small fragment of a root? Collected in Petrified Forest National Monument aug. 1959 Z1197 Woodworthia Chnile Triassic Fragment of atum showing good short branches. Collected in Pitrified Forest Naturny Monument lug. 1959 21198

Chrile-Trassie Z 1204 a fragment of a atim containing a considerable amount of iron replacement. Collected in Petrified Forest Natural Monument Buy. 1959. Chansarapplato holotype Charle-Triassis roots. Collected by Philip F. Van Cleary at sum levelity as 5'1202 and 5' 1203 Collected in Petrified Forest National Monument. aug 1959. E 1206 I 1207 arancariopylon sp. Chinle-Triassic dianety showing a good pith and excellent call structure. Collected by Philip F. Van Cleane in Petrified Forest National Monument. Blides made. Pity well preserved. Slides made I 1208 Rhigings a Routs mortion of a stem throw or resone steles within onthe sundantificant of a stem throw or resone steles. It very important lossil collected along the "Neck" about I mile south of 66 Highway and I mile west of National Monument road leading to checking station. This locality each with secondary wifeln the duil must have planted it there to fool pulisherturists. The forsil is still an onegma. Close to

Medullora stellata bent much larger stem, more likely membra of lentity lage.

36 aransariopplan Chinle-Triassie E 1209 Small stim fragment with good cell atructure. Collected in Petrified Forest National Monument. aug 18, 1959. Crancariorhisa jour (holotype)
Chancariorhisa jour (holotype)
Chance Triciasic
Tragment of hollow atum containing
roots Collected by Philip F. Van Clearl at E 1216 Dame lirality as \(\Si202, \Si1203, and \Si1205. Possely Muse are fragments from the same log. Grancariorhiga joal Nov. gen 4 ap. Σ' 1211 Fragment same as 2 1210. Collected at some locality and possibly a fragment of same log. Slides made yound roots excellent Holotype of the genus arancanorhyse jose Chinle-Triassie 2 1212 root or oten. Col. by Prott Breez at St Johns Neocalamitis losality. Chinle-Triasaic Z'1213 Small rubbed branches. Collected by Philips Van Cleave in Petrified Forest National Mohiment. Slides made - Cell structure so poor identification empossible. Chinle-Triassie, Small stems collected by Philip F. Van Cleave in Petrified Forest National Monument. E 1214





\[\sum_{1245}\]	Pecopteris Collected at Mazon Creek in Northern Dlinois by Michael Diebihaga and donated to Don Jose State College on May 2, 1960.
Σ1246	Lapidordendron Peter Surface) Pennsylvanian Col. same as I'1245
	Lepidodendron (Branch) Pennsylvanian Col. same es 51245.
I 1248	Leperdondendron (Branch) Pennsylvanian Col. Dame as \$\Sigma 1245
Σ1249	Tennsylvanian Wood fragment: Col. same as £1245
	Pecopteris Col. same as ZI 1245
	Col. same as [1245]
	Pecopteirs Pennsylvanian Col. same as \$\Z'1245'
4	Peropteris Col. same as $\sum 1245$

21262	Pecopteris Collected at Mazon Creek in Northern Illinois ly Michael Dielihags and donated to San Jose 5 tate College on May 2, 1960.
Σ 1263	Pecopleis Pennsylvanian Col. Danne ces £ 1262.
	Pecoptério Pennsylvanian Col. Dame as $\Sigma 1262$
21265	Odontopteris? Pennsylvanian Col. Dame as Z-1262
	Pecopteris Col. same as $\sum 1262$.
Σ1267	
21268	Peropteus Pennsylvanian Col. same as Σ 1262
	Peropleus Pennsylvanian Col. sam as Zi 1262

44 E 1270 Pecopeteris

Collected at Magen Greek in Northum Illinois

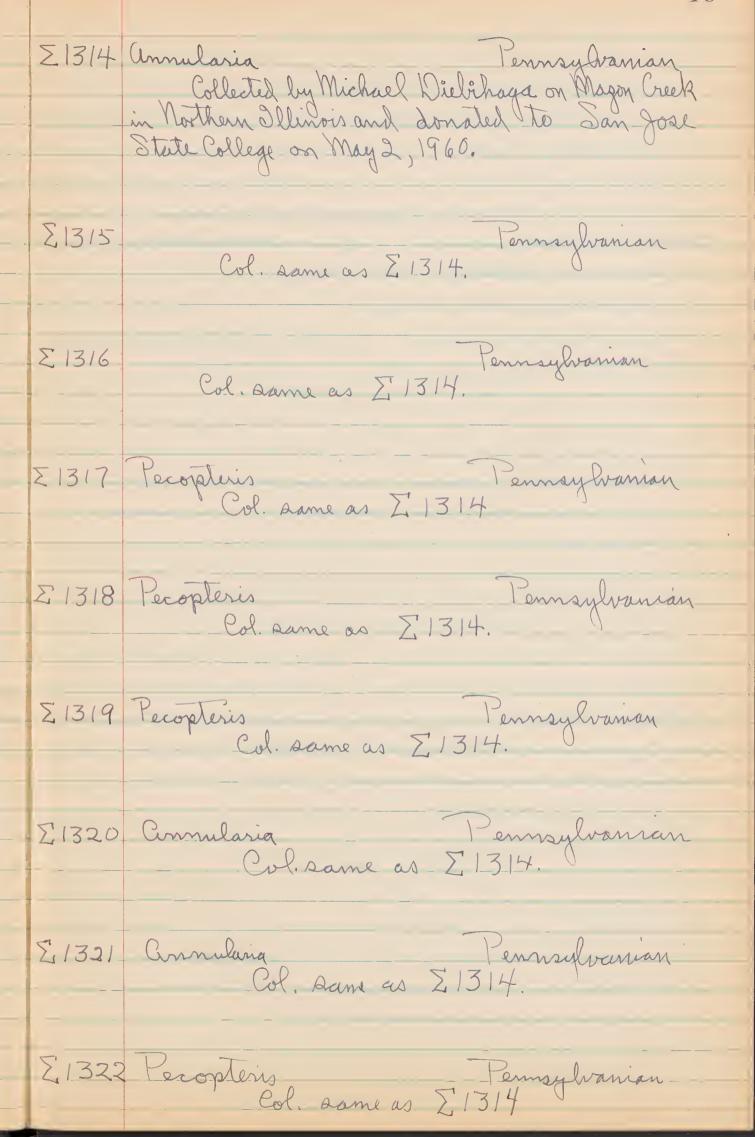
by Michael Diebihaga and donated to

San Jose State Gollege on May 2, 1960. E. 1271 Pecopterio Pennsylvanian Col. same as E 1270. E1272 Pecopteris Col. Dame as Z.1276. Pennsylvanian E 1273 Calamites? Branchinty whool of leaves. Pennsylvanian Col. same as \$1270 Σ1274 Pecopteris
Col. same as Σ1270 Σ' 1275 Neuropteris Col. same as Σ' 127.0 Σ1276 Pecopteris
Col. same as Σ1270 E1277 Lepidodendron? Leanes. Pennsylvanian Col. same as Z'1270, Σ1278 Peciptinis Col. same as Σ1270

Σ 1279	Peropteris - Peninsylvanian - Collected at Mayon Creek in Northern Illinois by Michael Dielihaga and donated to San Jose State College on May 2, 1960.
	Pecopteris Col. Dame as Σ 1279
Σ'1281	Pecopteris Col. same as 5.1279
	Peropheris Col. same as Z 1279
	Neuropteris Col. Dame as 5, 1279
21284	Sphenophyllum (?) Col. same as Σ 1279
	Euproops dance Pennsylvanian Collected at Coal City, Illinois and donated by Michael Diebihaga. Identification made by unknown person. Coppears to be a tribolite?
Z.1286	Pennsylvanian Collected by Michael Dubrhaga In Mazon Creek in Northern Illinois. Donated to San Jose State College on May 2, 1960.

46		
∑ 1287	Collected by Michael Diebihaga on Majon Creek in Northern Illinois and donated to San Jose State College on May 2, 1960,	Σ
Σ1288	Pecopteirs Pennsylvanian Col, same as \$1287.	Σ
		Σ
	Pecopteris Col. Dame as Z1287	Σ
Σ1291	Neuropturis (amphebia) - Pennsylvanian - Col. Rame as Z1287	Z
21292	Peropteris Col. same as \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Σ
E1293	Pennsylvanian Cul. same as 2 1287.	Z
Σ1294	Neuropteris Col same as $\Sigma 1287$	Σ
S1295	Neuropteris Pennsylvanian Col. same as $\Sigma 1287$	Σ

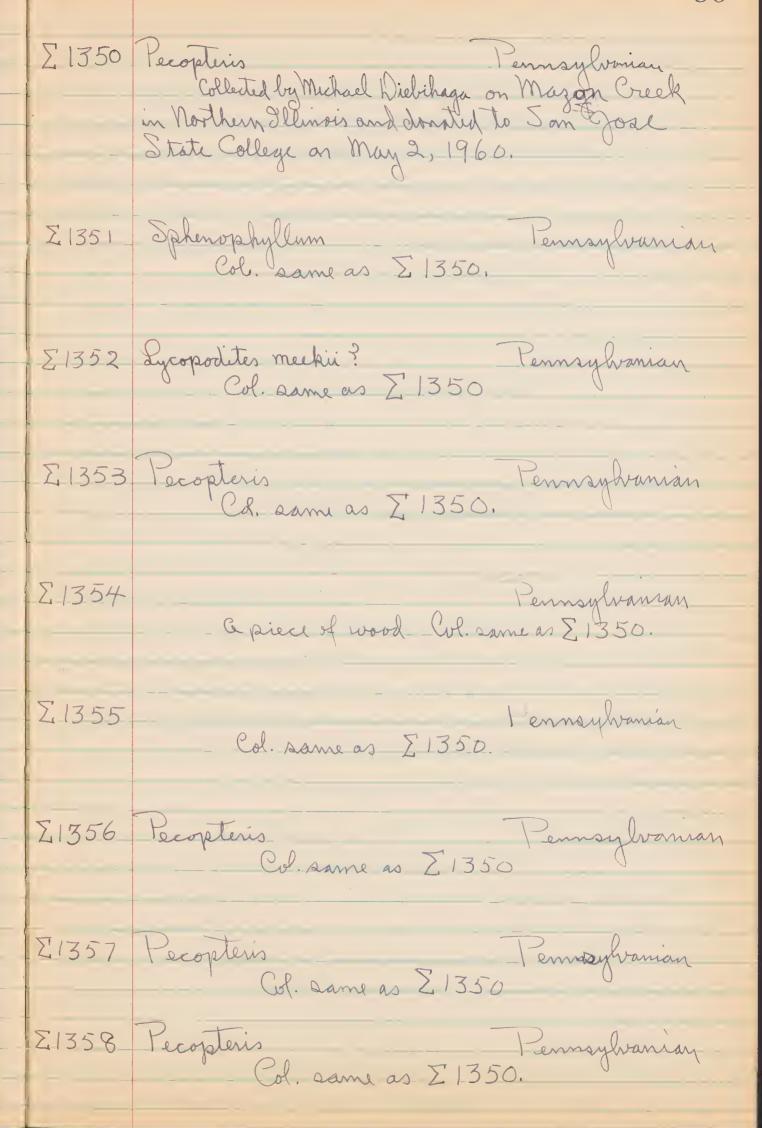
Σ.1296	Neuropheris Collected by Michael Wiebihaga on Mazon Creek in Northern Illinois and donated to San Jose State College on May 2, 1960.
4	Callipteridium Col. Dame as Z. 1296.
Σ1298	Col. same as \$\Z1296
Σ 1299	Pennsylvanian Col. Dame as Σ 1296
21300_	Pecopteris Pennsylvanian Col. same as I 1296.
Σ1301	Pecopteris Col. same as \$\(\Sigma 1296. \)
21302	Pecopteris Pennsylvanian Col. same as Z 1296
	Neuropteris Pennsylvanian Col. Dame as Z'1296
21304	



50		
Σ1323	Sepidophyllum (majus?) Pennsylvanian Colletted by Michael Diebihaga on Mason Creek in Northern Illinois. Danated To San Jose State College on May 2,1960	Σ
Σ1324	Peropteris Col. same as \$\Sigma 1323.	Σ
Z1325	Peropteris Pennsylvanian Col. Dame as Z. 1323.	Σ
Σ1326_	Neuropteris Col. Dame as Σ 1323	Σ
Σ1327	Pecopteris Pennsylvanian Pol. same as $\Sigma 1323$.	2
Σ 1328	alethopticis Pennsylvanian Col. same as Σ 1323.	ΣΙ
21329	Codonospermum? Pennsylvanian Col. same as $\Sigma_1/323$	Z
Σ1330	Pecopteris Pennsylvanian Col. Dame as $\Sigma 1323$	Σ
Σ1331	Callipteridium sullivanti (?) Pannsylvanian Col. same as I 1323	Σ

21332	Pecopteris Collected by Michael Drebshaga on Mazon Creek in Northern Illinois and donated to San Jose State College on May 2, 1960.
Σ 1333.	Pecopteris Col. same as \$\Z\1332.
	Peropteris Col. Dame es Z1332.
	Annularia Pennsylvanian Col. Rame as Σ 1332.
	Calamodadus (or astrophyllites) equisetifomo Pennsylvanian Col. same as Σ : 1332
Σ1337	annularia Col. same as $\Sigma 1332$
	Col. same as \(\Sigma\) 1332
21339	Conmulaine? Col. same as Z'1332
Σ 1340	Col. same as [1332] Pennsylvanian

52		
Σ1341	Collected on Mazon Creek by Michael Diebihaga and donated to San Jose State College on May 2, 1966.	\sum
Σ13.42	Callipterichium? Pennsylvanian Col. Dame as [134].	Σ
Σ1343	Pecopteris Col. same as Z. 1341	Σ'
Σ.1344	Skin of an amphibian?? Pennsylvanian Col. Dame as Σ 1341	Σ.
Σ1345	Neuropteris Pennsylvanian_ Col. aame as \(\Si\) 1341.	Σ
Σ1346	Col. same as $\sum_{i=1}^{n} 1341$.	Σ
Σ 1347	Peropteris Col. Dame as Z 1341.	Σ
Σ 1348	Sphenophylluma Col. same as Zi 1341	Σ
21349	Pecopteris Col. same as Z1341.	Σ



54		
Σ.1359	annularia Pennsylvanian Collected by Michael Dielihaga on	Σ
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Connularia Collected by Michael Diebichaga on Mazon Creek in Northern Illinois and donated to San Jose State College on May 2,1960.	
Σ1360	Pecopteris Pennsylvanian Col. same es 21359.	Z
- Σ136-1-	Newsopteris Col. same as Σ 1359.	W
Σ1362	Pecopteris Pennsylvanian Col. same as Z. 1359	Σ
Σ1363	Pecopteris Col. same as Z 1359.	\sum_{i}
Σ1364	annularia Pennsylvanian Col. same as Z 1359	Σ.
Σ1365	Pecopteris Col. same as I 1359.	Z
	Col. same as 2:1359	Z
Z 1367	Pecopleris Pennsylvanian Col. Dame as I 1359.	Z

Σ 1368	Pecopteris Collected by Michael Diebihaga on Mazon Creek in Northern Illinois and donated to San Jose State College on May 2, 1960.
Σ 1369	Pecopteris Col. Dame as Z 1368.
E	Pecopteris Pennsylvanian Col. same as Z. 1368.
	Pecopteris Pennsylvanian Col. same as Σ , 1368
+	Col. Dame as Z1368
Σ1373	Col. same as I 1368
21374	Pennsylvanian Col. Dame as $\Sigma 1368$
Z1375	Col. Dame as Z 1368
Σ1376	Same Jossel as Z' 1372 Permeylvanian Col. same as Z' 1368.

56		
Σ1377	Collected by Michael Dubihaga on Mazon Creek in Northung Illinois and donated to San Jose State College on May 2,1966.	
Z.1378	Pecopteris Pennsylvanian Pol, same as Z 1377	\sum_{i}
Σ1379	Pin of bone? Pennsylvanium Col. same as Z. 1377	Z
<u> </u>	Pennsylvanian Col. same es 21377	Σ
Σ1381	Sphinsphyllum Pennsylvania. Co. same as 21377.	7
	Pecopteris Pennsylvanian Col. same as \$\(\Sigma 13.77 \)	Z
Σ1383	Pecopteris Col. sume as Σ 1377	2
Σ1384	Col. same as I 1377.	Σ
21385	Col. same as Z1377	Z

∑.138 6	Conmilaria? Collected by Michael Wrebihaya on Magon Creek in Northern Illinois and donated to San Jose State College on May 2, 1960.
Σ 1387	Peropteris Col. same as \$\Z\ 1386
∑ 1385	Pennsylvanian Col. same as \$\Z\1386
21389	Pecopteris Col. same as 21386. Pennsylvanion
	Col. same as Z. 1386
	Col. same as \$\bar{2} 1386.
21392	Sepidophyllum Pennsylvanian Col. same as 5/1386
L.	Pecopteris Col same as \$1386,
	Pecopteris Pennsylvanian Col. Dame as E 1386.

58 Pecopteris
Pennsylvanian
Collected by Michael Diebihaga on Mazon Creek
in Northern Illinois and donated to San Jose
State College on May 2, 1960. 21395 Ponnsylvanian Pol. same as [1395]. ∑ 13.96 Col. same as Z 1395 Σ1397 Σ1398 Pecopleris
Col. Dami as Σ1395 Σ1399 Connularia (a serap) — Pennsylvanian Col. Dame as Σ1395 Col. same as 2'1395. 21400 Note: Determinations from 21218 to 21400 were made at sight without aid of a handlense and should be carefully reviewed. There is a good possibility that a mumber labeled recoptlis possibly belong to another genus. No attempt was made to determine species L.H.D.

E1401

Collected by Philip Van Clearl in The Petrified Forest National Monument below the south escarpment of Blue Mesa. The Jossil consists of a rather lungs piece of stem and a number of fragments? Collected a short distance from where E. 1165 Williamsonia ap. was collected.

21402

Woodworthig? (Branch) Chinle Triassic Collected from bod lands just rorth of Olsen property and east of the park road. Collected by Philip Van Cleane. Petified Forest National Manment, arigony.

21403

Collected in same locality as 2: 1402 by Philip Van Cleane.

2 1404

Stem fragment (Branch] collected by Philip Van Cleane in \$21402 locality.

Z1405

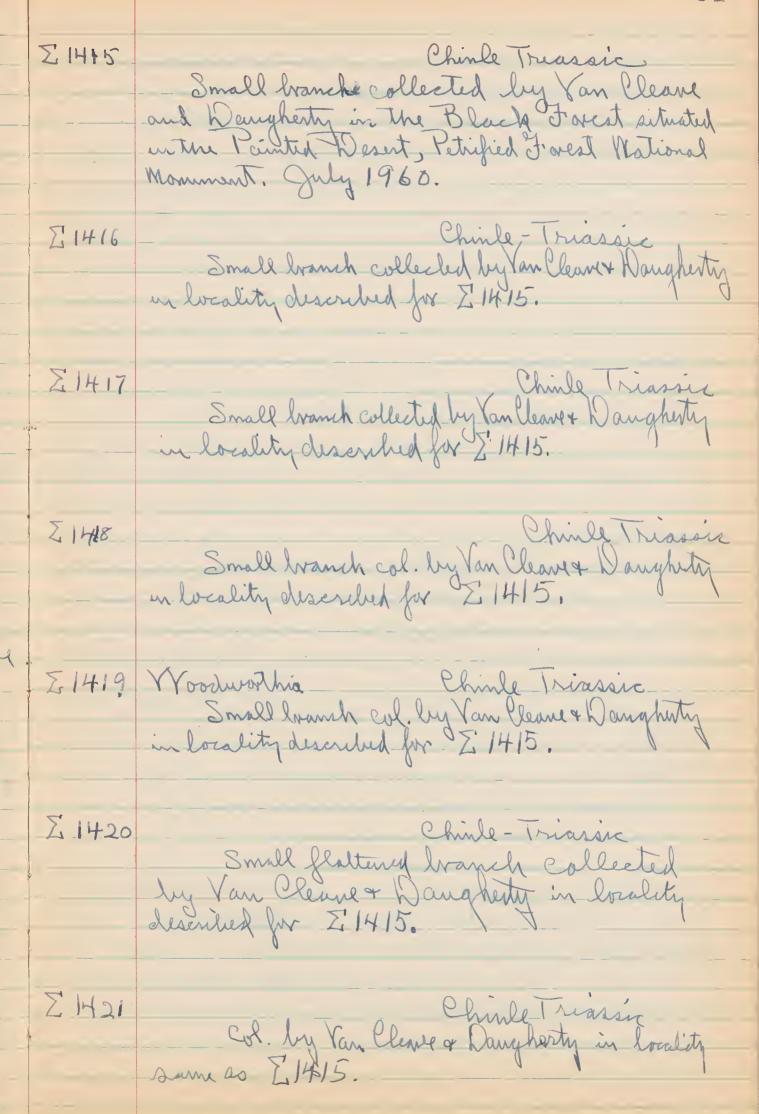
Branch collected by Van Cleans in locality described in \$\ 1402.

Z1406

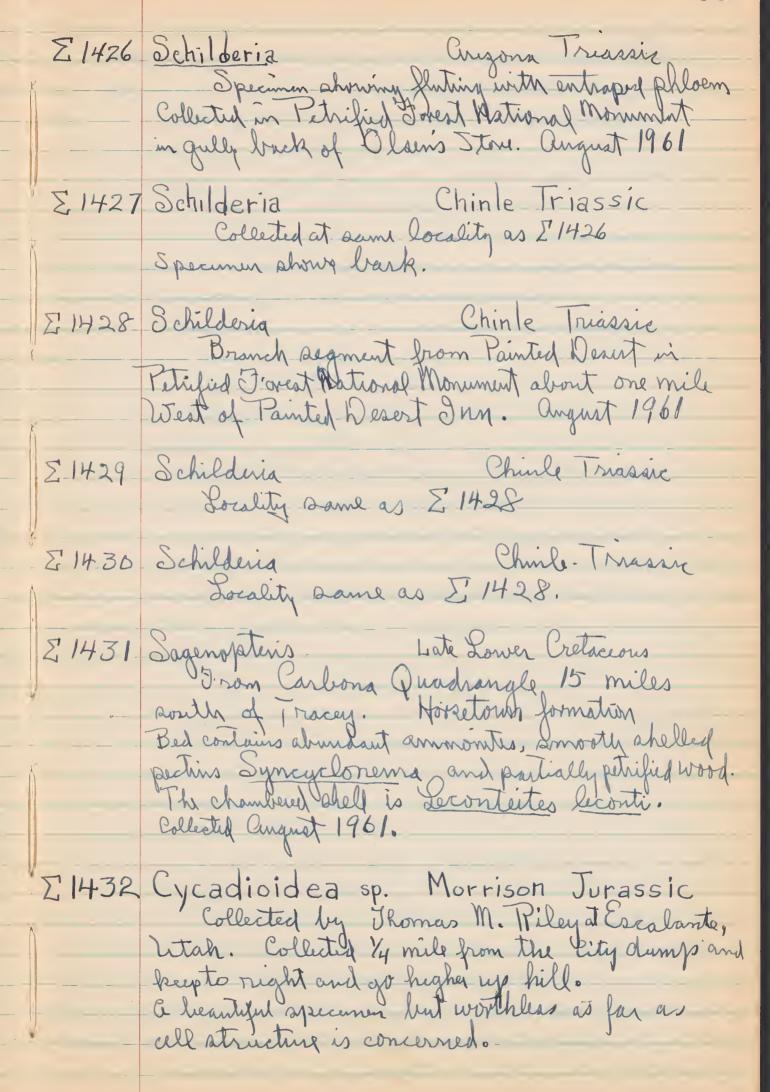
in locality described in 2'1402

I 1407 Woodworthin (Branch), Chinh Transing Col. by Philip Van Chare locality described for I 1402

60 Chinle - Triassic 21408 Branch collected by Philip Van Cleane from bod lands just north of Olsen Property and east of the park road. Petiplied I west National Monument, Hollwook, arizona. Woodworthig (Branch) Chinle-Triasais Col. by Philip Van Cleave from brality described in Z 1408. [Slide made pith worthless] 21409 Changariogylon Chinle Triasare Branch aplit showing path, Col. by Philip Van Cleane from locality described for E' 1408. E 1410 Woodworthice (Branch) Chindle Triassic Col by Philip Van Cleave un locality described for Z 14 08. [Slide made-puth worthless] Z' 1411 Chille-Triusous 2, 1415 in locality described for Zi 1408 Branch collected by Philip Van Cleave in losality described for 201408. 2 1413 2 Branch Collected by Van Cleane & Daugherty in the Black Forest, Painted Wesent, Petrified forest Notional Monument. Summer of 1960. 21414



E1425 Codonospermum? [Sud] typerTrussic Chinle Collected by Philip Van Cleare in Petrified Forest National Monument, Holbrook, arigona. The new seed locality is near agate bridge and appears to contain seed and scraps of leaves.



5.1441

Triassic of Cruzhia Dadopylon chaneji?? This represents consisting of two short sections of a stem 3 to mehes in greatest diameter and sent to me by Philip + Van Clean. It appears to be another specimen of Dadopplon Chaneyi from examination with hand less but my prove to be a new species when thin sections are made. Exacts locality unlargury but was obtained in Painted Desert Section on west boundaryperhaps as far east as thambers.

5,1442 Yearoneus sp.

arizona This speemen was sent by the Head Naturalist of Petrified Forest National Parks ochel received in the mail on april 16, 1964. Since no letter accompanied the Josail more upornation well be added later. This is a species of I savorium that appears to be of Brasil and and very closely related to the Middle Permian of Chemints Dermany. However, The above is based on a handlers determination. The openimen was collected by Naturalist Henderson in the Tepees area where Dr Seff. You Bleave, Wills, Daugherty and daughter Suzy examined some strings that Dr Teff considered to be in place. Since the specimen represents a plant typical of Jouver and Middle Permian it was carried into the area by streams or brought into the region by either Indians or Tomists. The approximate locality Sec. 94, 1724 E, TISN. The beality is & mile north of Blue Mesa. He specimen was found on surface as float material and original locality is problematical. Dince Termian furalineds and one trilotete was found in certain localities whong with the Lower Erelaceous Templobeya, the float material was probably transported into the area by streams rather than Indians or lowists, however, there are Indian runs in the region.

J.

21443

The fossil wood replaced by limonite came from red day sand with conflomerate at the base which rests upon Tuscaloosa (Gretaseous) and other Coastal Plain formations in South Carolina and overlaps these formations to rest on the crystalline rocks of the Piedmont. Wood sent in by Stephen Taber, unversity of South Caroling [West of Section] Columbia South Carolina. The wood is a conifer and Taber believed it to be a Taxodium or a Sequoise. I do not remember for my identification of this wood. The philipstian is interesting as wood replaced by limonite is not common.

21444

a fossil wood from the Petrified Forest of Airzona furnished by Van Cleve. Wood is Triassic and appears to have structure worth examination

- E 1445 Pecky rot in a stem from Chinle of Ariz-Pet. Forest of Arizona,

 Described in L.H.D. book.
- 21446 These are fossil woods from east side of Lake Lahontan 21447 Southwest of fallon Nev. I. They are Sent in for 21448 identification by Mr. Claude. R. Mowry of 3325 Smith Drive Reno, Nev. Mailed January 1954.
- E1449 Small fragments found in association with the Stem of a tree fern north of the Van Cleave Residence (North of Agate bridge Kesidence) Petrified Forest Nat'l Monument. C'heek to see if these routs might correspond to the foreign routs in the Stem of the tree fern.

21450 Fra

21450 Fragment of Jossil Wood? Government pravel pit. Near Cameroun. 1935 by L.F. Brady. E1451 Five small sections from north of Oslen's and east of the monument road. One fragment of Charley Ascolos "fern". One Seed in Plastic box.

cret. Limonite replacement get info - for Dioz

bal

		Db. Frank Hankins		299
	Santrage	2 Agfa films 10 Agfa IFF filmo Bovari Printing Paper 8×10 500 shets	13 38	13
	34/1/29/108	Covare Trinting Capter DXIO_300 ares	54	16
	Mar 18,196	P Detratol developer (to make I gallon)		31
	11/ar 19/196	9 Negafile Acid Fixing		90
	- May 29,19	69 Envelopes + Markers 100-To200		00
	<u> </u>	Envelopes & Markers 200 to 300		50
	May 30, 1969	Dekatol developer		31
	i.	acid Fixing	31	
	June 10 1	970 20 Adox films 35 mm - 36 0pp	22	10
		970 Rodonal Developer	22	50
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